

# Vulnerability Assessments

A Critical Step in Securing Your Networks.



#### Information Technology Department State of Iowa



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To Whom it May Concern,

The bearer of this letter has been engaged to perform a vulnerability assessment for the detail of this paragraph is left out intentionally.

A Physical and/or Corporate Security Culture Assessment is being performed at the following location(s):

A network Vulnerability Assessment will be performed on the external ISP account, the ITD network, and from within the network at .

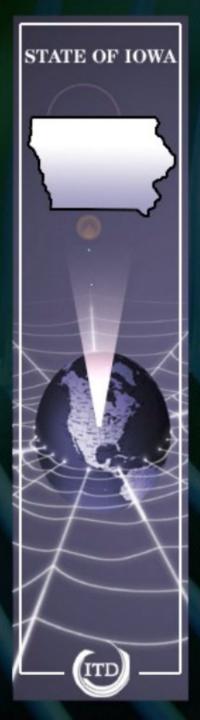
The contacts at the agency location that are aware of this exercise are:

Primary Contact Name and Phone Number	Location



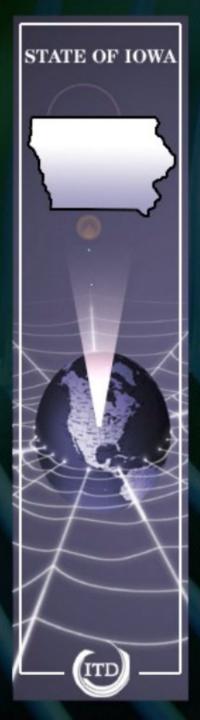
# Quick Hit Assessment

- Evaluation of a single server or device.
- Generally performed from the ITD network.
- Results generally provided within 1 or 2 days.



#### **External Assessment**

- Performed from ITD network.
  - Assesses the vulnerabilities that systems have to other networks within State government.
- Performed from outside the State networks.
  - Assesses vulnerabilities to systems outside of State government, primarily those on the internet.
  - Zero Based assessment assumes no prior knowledge of the network or department.



### **Internal Assessment**

- Performed on the network of the department requesting the assessment.
  - Assesses the vulnerabilities of the systems being scanned to malicious activities on the owning departments network.
    - These threats could be from disgruntled employees, less than trustworthy consultants or any individual who manages to establish a session on your network.



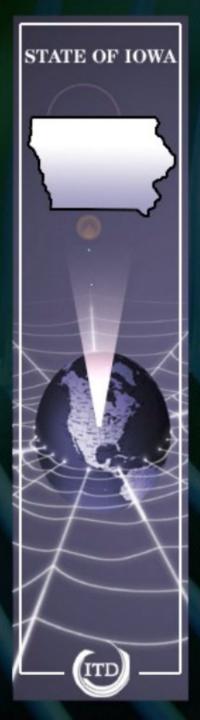
# **Modem Sweep**

 A specialized system is used to dial all phone numbers provided by the department. Any modems are identified and if accepting connections, limited attempts can be made to authenticate and establish a presence on your network.



### **Password Assessment**

- Passwords are not pulled from the network. System Administrators provide the necessary files on removable media which we test on a stand alone system.
- We have password evaluation programs that can be run against UNIX, Microsoft and Novell passwords.



### Physical Assessment

- Evaluation of the measures implemented in your department to physically protect your critical systems.
- We provide you with a fill-in-the-box checklist of tests you wish us to perform.
   We will perform only those that you indicate you want.
- Evaluators carry a copy of the signed permission form with them.
- We coordinate our evaluation with Capitol Police.



# Corporate Security Culture Assessment

- An evaluation of the level of employee security awareness.
- Fill-in-the-box checklist of items to perform.
- Evaluators carry signed permission form.
- Capitol police informed.



#### **Vulnerability Assessment Request details**

Client Agency:					
Location:					
Client Points of Contact (POC):					
Management name, phone, e-mail:					
Technical name, phone, e-mail:					
Technical name, phone, e-mail:					
Assessment Timeframe:					
Type Of Assessment Requested:					
Internal Assessment External Assessment Modem Sweep					
Password Assessment Physical Assessment Corporate					
Security Culture					
Assessment Detail					
Tibbessment Detail					
Please list the following information for the devices to be scanned:					
Please list the following information for the devices to be scanned:					
Please list the following information for the devices to be scanned: <u>IP Address</u> OS and version Device name Function Administrator Name					
•					



#### Vulnerability Assessment Request details (continued)

<b>Network Devices:</b> (check appropriate selection, indicate product and version if known)					
Firewalls:  Checkpoint Gauntlet PIX Raptor Other	Security Products:  Axent Computer Associates  Other	Network Intrusion Detection Software:	Other Important Products:		
Network Topology:Token RingEthernet Is this a Switched Network? ('X' for Yes)					
Modem Sweep (if applicable)  Please list the phone numbers or range of numbers you would like checked:					
Trease list the phone humbe	is of range of numbers you	i would like cheeked.			
Password Assessment (if applicable)					
Please check the appropriate type of Operating System:  Windows Novell Netware Unix-based Version:					



#### Client Checklist for Physical and Corporate Security Culture Activities

**Physical Assessment**: (mark the activities you want performed)

- All entrances to agency location observed
- Access to servers restricted

 $\Box$ 

Is there anything specific you want us to look for?

<u>Corporate Security Culture Assessment</u>: (mark the activities you want performed)

- Observe general security activity of personnel
- Walk through office to check for unattended and unlocked workstations

Is there anything you want us to specifically do or not do?

Management POC: \_\_\_\_\_

Technical POC: \_\_\_\_\_

Technical POC: \_\_\_\_\_



# What you can expect from us

- Detailed reports listing the vulnerabilities found, threat rating and documentation explaining how to fix the vulnerability.
- We often include links to the most up to date information available on the internet for your specific vulnerabilities



# What you can expect from us (continued)

- The most pertinent of the raw data from our scans. For large scans the data will be placed in a searchable database.
- Complete confidentiality. We do not share the results of your assessment with any other department or division within ITD.